

IN THE UNITED STATES PATENT OFFICE

Applicant: Steven M. Arnold  
Nicholas Penney

Serial No.:

Filed: October 23, 2003  
For: VARIABLE AREA NOZZLE

Kent Stone, Reg. No. 31883  
Cleveland, Ohio

COMMISSIONER OF PATENTS  
AND TRADEMARKS  
P. O. Box 1450  
Alexandria, Virginia 22313

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. §§1.97 AND 1.98**

Dear Sir:

A. Applicant hereby discloses the following United States Patent(s)/ Patent  
Application Documents and Foreign Patents pursuant to 37 C.F.R. §1.98:

<u>Patent No.</u>	<u>Issue Date/ Pub. Date</u>	<u>Inventor</u>
1. US 2002/0125340A1	Sept. 12, 2002	Birch et al.
2. US 6,318,070 B1	November 20, 2001	Rey et al.
3. GB 2355766	May 2, 2001	Strange et al.

B. A copy of each patent is included herewith pursuant to 37 C.F.R. §1.98.

C. Explanation of Relevance pursuant to 37 C.F.R. §1.98.

1. U.S. Patent Publication No. 2002/0125340 A1, Birch et al. discloses a gas

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*Kent Stone*  
Kent N. Stone

turbine engine exhaust nozzle.

2. U.S. Patent No. 6,318,070 B1 to Rey et al. discloses a variable area nozzle for gas turbine engines driven by shape memory alloy actuators.

3. GB 2355766 to Strange et al discloses a gas turbine engine exhaust having noise reduction tabs.

Please charge deposit account ~~14-0116~~ if any fee deficiency exists.

Respectfully submitted,



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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Arnold
Art Unit	
Examiner Name	
Attorney Docket Number	LEW 17,494-1

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (# known)				
		GB 2355766	05-02-2001	STRANGE ET AL.	ENTIRE DOCUMENT	

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual circumstances.

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